WHAT IS CLAIMED IS:

1   1.   A method of populating a knowledge base, the method comprising:

2   filtering a translated edit via at least one rule to determine a match between a

3   syntax of the translated edit and a syntax of the rule;

4   executing a method call responsive to the filtering step resulting in at least one

5   match being determined; and

6   populating the knowledge base responsive to the executing step.

1   2.   The method of claim 1, further comprising translating an edit to yield the

2   translated edit.

1   3.   The method according to claim 1, further comprising binding at least one

2   conclusion variable responsive to the filtering step.

1   4.   The method according to claim 3, wherein the executing step comprises:

2   expanding the at least one conclusion variable; and

3   creating an instance of a code object corresponding to the called method.

1   5.   The method according to claim 1, further comprising validating a claim using the

2   populated knowledge base.

1   6.   The method according to claim 4, wherein the step of populating the knowledge

2   base comprises adding information contained in the created code-object instances to the

3   knowledge base.

1   7.   The method of claim 1 or 2, further comprising the step of verifying that the edit

2   has been correctly translated.

1   8.   An article of manufacture for populating a knowledge base used in validating

2   medical claims, the article of manufacture comprising:

3   at least one computer readable medium;

4   processor instructions contained on the at least one computer readable medium,

5   the processor instructions configured to be readable from the at least one computer readable

6   medium by at least one processor and thereby cause the at least one processor to operate as to:

7   filter a translated edit via at least one rule to determine a match between the

8   translated edit and the rule;

9   execute a method call responsive to the translated edit having been filtered and a

10   determination of at least one match; and

11   populate the knowledge base responsive to the execution of the method call.

1   9.   The article of manufacture of claim 8, further comprising processor instructions

2   configured to cause the at least one processor to operate as to translate an edit to yield the

3   translated edit and create an edit-object instance.

1   10.   The article of manufacture of claim 8, further comprising processor instructions

2   configured to cause the at least one processor to operate as to bind at least one conclusion

3   variable responsive to the translated edit having been filtered.

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1   11.   The article of manufacture of claim 10, wherein the execution of the method call

2   comprises:

3   expanding the at least one conclusion variable; and

4   creating an instance of a code object corresponding to the called method.

1   12.   The article of manufacture of claim 8, further comprising processor instructions

2   configured to cause the at least one processor to operate as to validate a claim using the

3   populated knowledge base.

1   13.   The article of manufacture of claim 11, wherein the population of the knowledge

2   base comprises adding information contained in a created edit-object instance and the created

3   code-object instances to the knowledge base.

1   14.   The article of manufacture of claim 8 or 9, further comprising processor

2   instructions configured to cause the at least one processor to operate as to verify whether the edit

3   has been correctly translated.

1   15.   A system for populating a knowledge base, the system comprising:

2   means for filtering a translated edit via at least one rule to determine a match

3   between a syntax of the translated edit and a syntax of the rule;

4   means for executing a method call responsive to the filtering having resulting in at

5   least one match having been determined; and

6   means for populating the knowledge base responsive to an output of the means for

7   executing.

1   16.   The system of claim 15, further comprising means for translating an edit to yield

2   the translated edit.

1   17.   The system according to claim 15, further comprising means for binding at least

2   one conclusion variable responsive to the filtering.

1   18.   The system according to claim 17, wherein the means for executing comprises:

2   means for expanding the at least one conclusion variable; and

3   means for creating an instance of a code object corresponding to the called

4   method.

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1   19.   The system according to claim 15, further comprising means for validating a

2   claim using the populated knowledge base.

1   20.   The system according to claim 18, wherein the means for populating the

2   knowledge base comprises means for adding information contained in the created code-object

3   instances to the knowledge base.

1   21.   The system of claim 15 or 16, further comprising means for verifying that the edit

2   has been correctly translated.